

## DUAL GAIN or SINGLE GAIN MUX Card Functions:

- Provides 3500 volts isolation between inputs, ground and front-end electronics
- Detects open lead condition
- input voltage level

DUAL GAIN MUX Card

High level =  $\pm 500$  V

Low level =  $\pm 10$  V

SINGLE GAIN MUX Card

One level  $\pm 10$  V

- Anti-aliasing filters set to 180 Hz with linear phase response
- 8 input channels per card
- Simultaneously sampling, eliminates input skew

## ADC card functions

- 16 Bit resolution
- 40 inputs with scanning adc
- 2 micro-second conversion time, supports over 200 input signals
- Samples all channels in 1.389 milli-second (720)
- Digitized data is FIFO buffered to DSP card for maximum transfer rate